

DAILY LOG BOOK

MISSION
NUMBER

2006-~~29~~ 34

DATE:

From: 25-Sept-2006 to: 29-Sept-2006

VESSEL:

Buckshot

PROJECT:

ACRDP: Drifter Studies

INSTITUTE OF OCEAN SCIENCES
OCEAN SCIENCES AND PRODUCTIVITY DIVISION
SIDNEY, BC, CANADA

Captain: Ross Johnstone First Officer: _____
Second Officer: _____ Third Officer: _____

Mission Participants / Agencies: IOS(DFO) and Marine Harvest Canada

Scientific Personnel:

Party Chief:

Name	Watch	Cabin	Name	Watch	Cabin

Dario Stucchi
Ross Perrault

Second leg of Mission:

Party Chief:

Name	Watch	Cabin	Name	Watch	Cabin
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Data logging computer:

$$\frac{\Delta}{2}$$

Data acquisition program:

$$N/A$$

CTD deck unit make: N/A model: N/A serial number:

Primary CTD

Make: Seabird
model: SBE25
serial number: 2543784 -- 0404

Primary temperature serial number: 4700

Primary conductivity serial number: 43184

Secondary temperature serial number: ☒

Secondary conductivity serial number: /

Transmissometer:	Model:	s/n:
—	—	—

Fluorometer: Model	_____	Cable gain: _____	s/n: _____
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Oxygen sensor: ☒ Model: SE43 s/n:

PAR sensor:	Model:	s/n:

Other sensors: _____ s/n: _____

Other sensors: _____ s/n: _____

Other sensors: _____ s/n: _____

Other sensors:	s/n:

Secondary CTD

Make: model: serial number:

Primary temperature serial number:

Primary conductivity serial number:

Secondary temperature serial number:

Secondary conductivity serial number:

Transmissometer:	Model:	s/n:
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Fluorometer: Model	Cable gain:	s/n:
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Oxygen sensor: _____
 Model: _____
 s/n: _____

Only gen sensor:	Model:	s/n:
PAR sensor:	Model:	s/n:

Other sensors:	
IR sensor:	
Temperature sensor:	
Pressure sensor:	
Humidity sensor:	
Light sensor:	
Sound sensor:	
Proximity sensor:	
Accelerometer:	
Gyroscope:	
Magnetometer:	
Barometer:	
GPS module:	
Bluetooth module:	
Wi-Fi module:	
Cellular module:	
RFID module:	
NFC module:	
Ultrasonic sensor:	
Infrared non-contact thermometer:	
Gas sensor:	
Smoke detector:	
Flame detector:	
Water level sensor:	
Flow sensor:	
Force sensor:	
Tactile sensor:	
Capacitive touch sensor:	
Resistive touch sensor:	
Optical touch sensor:	
Thermal imaging camera:	
Depth sensor:	
Time-of-flight sensor:	
Laser range finder:	
LiDAR sensor:	
Radar sensor:	
Sonar sensor:	
ToF sensor:	
ToF depth sensor:	
ToF distance sensor:	
ToF height sensor:	
ToF width sensor:	
ToF area sensor:	
ToF volume sensor:	
ToF mass sensor:	
ToF density sensor:	
ToF pressure sensor:	
ToF temperature sensor:	
ToF humidity sensor:	
ToF light sensor:	
ToF sound sensor:	
ToF proximity sensor:	
ToF acceleration sensor:	
ToF gyroscope sensor:	
ToF magnetometer sensor:	
ToF barometer sensor:	
ToF GPS sensor:	
ToF Bluetooth sensor:	
ToF Wi-Fi sensor:	
ToF Cellular sensor:	
ToF RFID sensor:	
ToF NFC sensor:	
ToF Ultrasonic sensor:	
ToF Infrared non-contact thermometer sensor:	
ToF Gas sensor:	
ToF Smoke detector sensor:	
ToF Flame detector sensor:	
ToF Water level sensor:	
ToF Flow sensor:	
ToF Force sensor:	
ToF Tactile sensor:	
ToF Capacitive touch sensor:	
ToF Resistive touch sensor:	
ToF Optical touch sensor:	
ToF Thermal imaging camera sensor:	
ToF Depth sensor:	
ToF Time-of-flight sensor:	
ToF Laser range finder sensor:	
ToF LiDAR sensor:	
ToF Radar sensor:	
ToF Sonar sensor:	
ToF ToF sensor:	
ToF ToF depth sensor:	
ToF ToF distance sensor:	
ToF ToF height sensor:	
ToF ToF width sensor:	
ToF ToF area sensor:	
ToF ToF volume sensor:	
ToF ToF mass sensor:	
ToF ToF density sensor:	
ToF ToF pressure sensor:	
ToF ToF temperature sensor:	
ToF ToF humidity sensor:	
ToF ToF light sensor:	
ToF ToF sound sensor:	
ToF ToF proximity sensor:	
ToF ToF acceleration sensor:	
ToF ToF gyroscope sensor:	
ToF ToF magnetometer sensor:	
ToF ToF barometer sensor:	
ToF ToF GPS sensor:	
ToF ToF Bluetooth sensor:	
ToF ToF Wi-Fi sensor:	
ToF ToF Cellular sensor:	
ToF ToF RFID sensor:	
ToF ToF NFC sensor:	
ToF ToF Ultrasonic sensor:	
ToF ToF Infrared non-contact thermometer sensor:	
ToF ToF Gas sensor:	
ToF ToF Smoke detector sensor:	
ToF ToF Flame detector sensor:	
ToF ToF Water level sensor:	
ToF ToF Flow sensor:	
ToF ToF Force sensor:	
ToF ToF Tactile sensor:	
ToF ToF Capacitive touch sensor:	
ToF ToF Resistive touch sensor:	
ToF ToF Optical touch sensor:	
ToF ToF Thermal imaging camera sensor:	
ToF ToF Depth sensor:	
ToF ToF Time-of-flight sensor:	
ToF ToF Laser range finder sensor:	
ToF ToF LiDAR sensor:	
ToF ToF Radar sensor:	
ToF ToF Sonar sensor:	
ToF ToF ToF sensor:	
ToF ToF ToF depth sensor:	
ToF ToF ToF distance sensor:	
ToF ToF ToF height sensor:	
ToF ToF ToF width sensor:	
ToF ToF ToF area sensor:	
ToF ToF ToF volume sensor:	
ToF ToF ToF mass sensor:	
ToF ToF ToF density sensor:	
ToF ToF ToF pressure sensor:	
ToF ToF ToF temperature sensor:	
ToF ToF ToF humidity sensor:	
ToF ToF ToF light sensor:	
ToF ToF ToF sound sensor:	
ToF ToF ToF proximity sensor:	
ToF ToF ToF acceleration sensor:	
ToF ToF ToF gyroscope sensor:	
ToF ToF ToF magnetometer sensor:	
ToF ToF ToF barometer sensor:	
ToF ToF ToF GPS sensor:	
ToF ToF ToF Bluetooth sensor:	
ToF ToF ToF Wi-Fi sensor:	
ToF ToF ToF Cellular sensor:	
ToF ToF ToF RFID sensor:	
ToF ToF ToF NFC sensor:	
ToF ToF ToF Ultrasonic sensor:	
ToF ToF ToF Infrared non-contact thermometer sensor:	
ToF ToF ToF Gas sensor:	

Other sensors: _____ s/n: _____

Other sensors: _____ s/n: _____

Other sensors:		s/n:
Other sensors:		s/n:

Other sensors:	s/n:

CTD calibration bottle location (height above CTD in metres):

1.

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Month <i>Sept.</i>				Year <i>2006</i>			Ship <i>Buckshot</i>				Cruise ID <i>2006-29 34</i>				
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Position		Bottom Depth	Max Depth	Sample Numbers	#of Bottles	Watch Keepers	Trans. Cleaned	Comments
							Latitude	Longitude							
25	RON-Test	2330	DE	DRF			50° 38.118	126° 18.101							
26		01007	RE				50° 38.931	126° 17.884							
26	DI#5	1533	DE	DRF	LUCIUS		50° 39.137	126° 17.374							40 g sample water & sample pens
		2110	RE				50° 39.201	126° 17.377							
26	DI#6	1537	DE	DRF	DARIO		50° 39.214	126° 17.272							
27		0146	RE				50° 38.991	126° 17.191							
26	DE#7	1541	DE	DRF	WENDY		50° 39.211	126° 17.495							straggled on mooring line
		1615	RE												
26	DI#8	1543	DE	DRF	RON		50° 39.283	126° 17.366							Drift net, close up
		1604	RE				50° 39.249	126° 17.338							
26	DI#9	1553	DE	DRF	JILL		50° 39.129	126° 17.645							
27		0155	RE				50° 39.198	126° 18.304							

Cast type:

BOT = bottle cast, no CTD
 CTD = CTD without Rosette
 ROS = Rosette plus CTD

USW = sea water loop

MOR = mooring
 NET = net haul
 DRF = drifter

bottle firing method:

US = up/stop
 UN = up/no stop
 DN = down/no stop

Time Code

BE = beginning time of cast
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Transmissometer to be cleaned for each cast, do not use Ammonia products

Daily_log_book.doc

25-Sept-2006

- 1500 * Installed high gain (900 MHz) antenna and a long pole pole. Estimate height above water ~4 to 5 m(?).
- * Tested reception range with higher antenna by deploying RON and determining effect reception range. Determined that effect reception range was ~400m.
- * Tested repeater mode on our drifter by placing it up high (~20m) at the western end of Doctor Islet and determining repeater range. Determined it to be about 500m. This is not enough to make repeater idea practical. Recovered RON and repeater drifter.
- 1830 back at Doctor Islet farm house.

1300: Went to find weather station on Doctor Islets. Finally found it after several attempts and a phone call to Richard. Downloaded the data from the data logger & reset the clock on the console because it was slow by about 15 minutes. Replaced the data logger in the original location (took some photos). Cleaned out the rain bucket of evergreen needles. In the process I flipped the cup assembly several times.

26 Sept

0815 left Doctor Islet

DGPS of pen corners

#1	50°	39.282	126°	17.285	NE
#2	50°	39.263	126°	17.263	
#3	50°	39.192	126°	17.380	
#4	50°	39.205	126°	17.405	

DI #5 to DI #9 Deployed around farm

weather: Foggy but flat calm.

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Ocean Sciences and Productivity Division

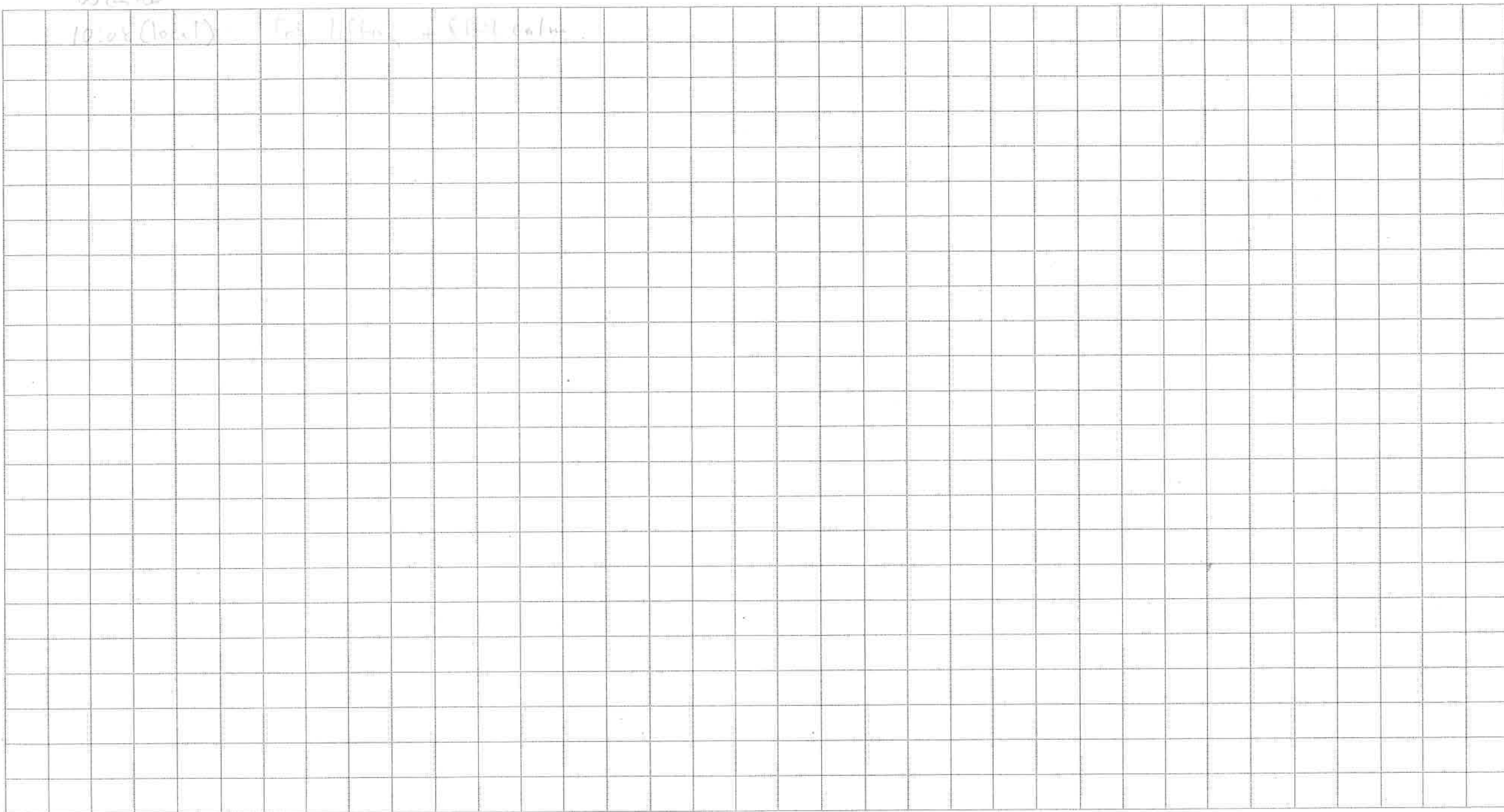
INSTITUTE OF OCEAN SCIENCES

Month <i>Sept</i>				Year <i>2006</i>			Ship <i>Buckshot</i>			Cruise ID <i>2006-29-34</i>					
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Position		Bottom Depth	Max Depth	Sample Numbers	#of Bottles	Watch Keepers	Trans. Cleaned	Comments
							Latitude	Longitude							
<i>26</i>	<i>DI#10</i>	<i>1607</i>	<i>DE</i>	<i>DRF</i>		<i>RON</i>	<i>50° 39.311</i>	<i>126° 17.279</i>							<i>50m N y #1</i>
		<i>1735</i>	<i>RE</i>				<i>50° 39.244</i>	<i>126° 16.821</i>							<i>On rock + amongst</i> <i>leap</i>
<i>26</i>	<i>DI#5</i>	<i>1622</i>	<i>DE</i>	<i>DRF</i>		<i>WENDY</i>	<i>50° 39.139</i>	<i>126° 17.377</i>							
<i>27</i>		<i>0207</i>	<i>RE</i>				<i>50° 39.267</i>	<i>126° 17.527</i>							
<i>26</i>	<i>DI#11</i>	<i>1714</i>	<i>BE</i>	<i>CTD</i>		<i>001</i>	<i>50° 38.644</i>	<i>126° 16.434</i>	<i>224</i>		<i>2006-29-01-157</i>				<i>SE of Doctor Isld.</i> <i>1723 bottom.</i>
			<i>EN</i>				<i>50°</i>	<i>126°</i>							
<i>26</i>	<i>DI#10</i>	<i>1739</i>	<i>DE</i>	<i>DRF</i>		<i>RON</i>	<i>50° 39.309</i>	<i>126° 17.289</i>							
<i>27</i>	<i>DI#8</i>	<i>0158</i>	<i>RE</i>				<i>50° 37.766</i>	<i>126° 18.100</i>							
<i>26</i>	<i>PE-1km</i>	<i>1941</i>	<i>BE</i>	<i>CTD</i>		<i>002</i>	<i>50° 40.116</i>	<i>126° 29.872</i>	<i>31</i>		<i>2006-29-02-hex</i>				
		<i>1945</i>	<i>EN</i>				<i>50° 40.143</i>	<i>126° 29.857</i>							
	<i>PE-3km</i>	<i>1953</i>	<i>BE</i>	<i>CTD</i>		<i>003</i>	<i>50° 40.320</i>	<i>126° 28.171</i>	<i>66</i>		<i>2006-29-03-hex</i>				
		<i>1958</i>	<i>EN</i>				<i>50° 40.742</i>	<i>126° 28.155</i>							

26-Sept.

Wander

10:08 (local) Fri 1/2 hr. (1/2 hr) calm.



DAILY LOG

Ocean Sciences and Productivity Division

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Month Sept				Year 2006			Ship Buckshot				Cruise ID 2006-2934				
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Position		Bottom Depth	Max Depth	Sample Numbers	#of Bottles	Watch Keepers	Trans. Cleaned	Comments
							Latitude	Longitude							
25	PE-5km	2004	BE	CTD		004	50° 39.895	126° 26.663	133		2006-29-04	hex			Calm
		2013	EN				50° 39.906	126° 26.690							
26	PE-7km	20120	BE	CTD		005	50° 39.297	126° 25.237	129		2006-29-05	hex			Calm
		20129	EN				50° 39.719	126° 25.170							
26	Kn 1	20141	BE	CTD		006	50° 38.085	126° 25.279	261		2006-29-06	hex			Calm
		2053	EN				50° 38.100	126° 25.117							
26	DI #5	2126	BE	DRF		LACIUS	50° 39.144	126° 17.386							trapped under well/mooring
27		0014	BE				50° 39.246	126° 17.307							
26	Kn 2	2141	BE	CTD		007	50° 39.308	126° 11.104	184		2006-29-07	hex			
		2150	EN				50° 39.716	126° 10.982							
26	TrCO.5	2205	BE	CTD		008	50° 40.836	126° 14.655	158		2006-29-08	hex			
		2215	EN				50° 40.790	126° 14.614							

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Transmissometer to be cleaned for each cast, do not use Ammonia products

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26 - Sept

1425 (1000) winds picked up westerly ~ 10-25 knots

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DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Month <i>Sept</i>				Year <i>2006</i>			Ship <i>Buckshot</i>				Cruise ID <i>2006-2934</i>				
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Position		Bottom Depth	Max Depth	Sample Numbers	#of Bottles	Watch Keepers	Trans. Cleaned	Comments
							Latitude	Longitude							
26	HR-pen	2332		CTD		009	50° 41.784	126° 15.540	59		2006-29-09-nex				Taken at last pen (empty)
		2338					50° 41.782	126° 15.540							
27	DI#5	0035	DE	DRF		LUCIUS	50° 39.133	126° 17.388							
27		0210	RE				50° 39.024	126° 17.592							
27	GP1	1631	DE	DRF		LUCIUS	50° 50.511	126° 18.388		made sudden jump to south?					Foggy w/ slight breeze
28		0100	RE				50° 50.518	126° 16.320							Must be broken on recovery
27	GP2	1634	DE	DRF		DARIO	50° 50.394	126° 18.398							
28		0114	RE				50° 50.584	126° 17.280							
27	GP3	1636	DE	DRF		WENDY	50° 50.282	126° 18.395							
28		0105	RE				50° 50.562	126° 16.577							

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26 Sept

1735 (local) westerly wind 10-20 knots.

1830 - 1900 (local) wind was westerly 10-20 knots in Knight Inlet

~1530 - 1636 (local) at HR Farm and spoke with Phil & Dennis about installing DGPS unit. I also spoke with Dennis about DO & T & S at the farm. They did not feed today because of Low DO's.

- Installed DGPS to a stanchion at end of last empty pen. Connected antenna powered up the hand held unit. Turned on battery switcher & receiver box light both stayed on.

Hand held unit - selected "Data Capture"

- Created Rover File - R062914A (file shown on LCD) - enter

- Start feature "Area Generic" enter

- Hand held unit then asked for "Comment" entered comment

Error Msg: Insufficient GPS Positions. Do you want to store this feature? " - YES?

- continue

- left unit attached & powered on will return in a few days to check.

27 Sept

~0940 (local) foggy & slight westerly 0-5 knots.

tried several files
last one "R062915C"

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Month				Year			Ship				Cruise ID				
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Position		Bottom Depth	Max Depth	Sample Numbers	#of Bottles	Watch Keepers	Trans. Cleaned	Comments
							Latitude	Longitude							
27	GP4	1639	DE	DRF		RON	50° 50.174	126° 18.392							
28		0118	RE				50° 50.684	126° 17.774							
27	GP5	1641	DE	DRF		JILL	50° 50.067	126° 18.396							
28		0110	RE				50° 50.486	126° 16.910							
27	FIS	2021	BE	CTD		010	50° 47.025	126° 36.506	313		2006-29-10.hey				Foggy, 5-10 knot wind
		2032	EN				50° 47.098	126° 36.391							
27	PP1*	2049	BE	CTD		011	50° 48.921	126° 31.322	204		2006-29-11.hey				Sunny & calm may have hit bottom
		2100	EN				50° 48.900	126° 31.304							
27	TrC3.0	2118	BE	CTD		012	50° 48.930	126° 25.333	238		2006-29-12.hey				hit bottom again 11-16 knot wind
		2130	EN				50° 48.978	126° 25.193							
	TrC2.5	2229	BE	CTD		013	50° 50.393	126° 19.651	276		2006-29-13.hey				
		2240	EN				50° 50.389	126° 19.370							

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27-Sept

~1000 (local) Searching for Glacier Falls weather station + found it.

- downloaded file + checked when appears ok. File downloaded with October 6 first line, second time found, etc.
- file is set to (PST)
- reset time unit was 5 min long.

1043 Repositioned the datalogger to be more visible
- foggy + calm.

1215 At Wicklow Pt. to retrieve data for weather station

1225 Found weather station + datalogger

- checked time "OK" went to local time
- were not working as ready as it should.

1300 Replaced the datalogger.

PP1 - hit bottom - oops. Flashed out several times to clear mud.

PP3.0 - hit bottom again!

1536 (local) westerly wind 10-15 knots, sunny

DAILY LOG

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Month				Year			Ship				Cruise ID				
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Position		Bottom Depth	Max Depth	Sample Numbers	#of Bottles	Watch Keepers	Trans. Cleaned	Comments
27	Tr (2.0)	2257	BE	CTD		014	50° 49.225	126° 12.677	263		2006-29-14	hex			
		2305	EN				50° 49.265	126° 12.580							
27	B.S	2316	BE	CTD		015	50° 51.783	126° 10.751	121		2006-29-15	hex			
		2322	EN				50° 51.777	126° 10.730							
28	PP1	1548	DE	DRF		JILL	50° 39.045	126° 09.733							
29		0139	RE				50° 40.598	126° 00.244							
28	PP2	1552	DE	DRF		KON	50° 39.330	126° 09.730							
29		0142	RE				50° 40.571	126° 00.195							
28	PP3	1554	DE	DRF		WENDY	50° 39.602	126° 09.735							
29		0141	RE				50° 40.548	126° 00.185							
28	PP4	1553	DE	DRF		DARIO	50° 39.874	126° 09.740							
		1914	RE				39.751	09.213							

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1058 (low) Tribune Channel recovering drift
- wind 15 to 20 knots westerly
- sunny

28 Sep
- 0900 (low) - overcast, low clouds
- 5-10 knot westerly

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Month <i>Sept</i>				Year <i>2006</i>			Ship <i>Buckshot</i>				Cruise ID <i>2006-34</i>				
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Position		Bottom Depth	Max Depth	Sample Numbers	#of Bottles	Watch Keepers	Trans. Cleaned	Comments
							Latitude	Longitude							
<i>28</i>	<i>P-P4</i>	<i>1621</i>	<i>BE</i>	<i>CTD</i>		<i>016</i>	<i>50° 39.880</i>	<i>126° 09.213</i>	<i>163</i>	<i>✓</i>	<i>2006-29-16.hcx</i>				
		<i>1628</i>	<i>EN</i>				<i>50° 39.889</i>	<i>126° 09.617</i>							
<i>28</i>	<i>P-P4</i>	<i>1634</i>	<i>BE</i>	<i>CTD</i>		<i>017</i>	<i>50° 39.586</i>	<i>126° 09.714</i>	<i>163</i>	<i>✓</i>	<i>2006-29-17.hcx</i>				
		<i>1642</i>	<i>EN</i>				<i>50° 39.604</i>	<i>126° 09.573</i>							
<i>28</i>	<i>P-P4</i>	<i>1647</i>	<i>BE</i>	<i>CTD</i>		<i>018</i>	<i>50° 39.329</i>	<i>126° 09.743</i>	<i>193</i>	<i>✓</i>	<i>2006-29-18.hcx</i>				
		<i>1655</i>	<i>EN</i>				<i>50° 39.378</i>	<i>126° 09.593</i>							
<i>28</i>	<i>P-P4</i>	<i>1700</i>	<i>BE</i>	<i>CTD</i>		<i>019</i>	<i>50° 39.062</i>	<i>126° 09.739</i>	<i>218</i>	<i>✓</i>	<i>2006-29-19.hcx</i>				
		<i>1708</i>	<i>EN</i>				<i>50° 39.058</i>	<i>126° 09.607</i>							
<i>28</i>	<i>TrC 1.5</i>	<i>1747</i>	<i>BE</i>	<i>CTD</i>		<i>020</i>	<i>50° 45.588</i>	<i>126° 08.982</i>	<i>212</i>	<i>✓</i>	<i>2006-29-20.hcx</i>				
		<i>1755</i>	<i>EN</i>				<i>50° 45.618</i>	<i>126° 08.952</i>							
<i>28</i>	<i>TS1</i>	<i>1812</i>	<i>BE</i>	<i>CTD</i>		<i>021</i>	<i>50° 47.206</i>	<i>126° 02.194</i>	<i>165</i>		<i>2006-29-21.hcx</i>				
		<i>1819</i>	<i>EN</i>				<i>47.203</i>	<i>02.223</i>							

Cast type:
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USW = sea water loop
MOR = mooring
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DRF = drifter

bottle firing method:
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1200 (new) 1520 West side of R. 1/4

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Month				Year				Ship				Cruise ID				
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Position		Bottom Depth	Max Depth	Sample Numbers	#of Bottles	Watch Keepers	Trans. Cleaned	Comments	
28	PP4	2053	DE	DRF		DAR10	50° 39.573	126° 09.741								
29		0212	RE				50° 40.042	126° 06.698								
28	HR-N2	2236	BE	CTD		022	50° 41.896	126° 15.315	84		2006-29-22.hev					
		2245	EN													
28	HR-S2	2249	BE	CTD		023	50° 41.817	126° 15.421	67		2006-29-23.hev					
		2257	EN													
28	HR-outside	2303	BE	CTD		024	50° 41.540	126° 15.095	97		2006-29-24.hev					
		2308	EN				50° 41.520	126° 15.127								
29	Kn3	0015		CTD		025	50° 40.215	126° 3.247	192		2006-29-25.hev					
		0023					50° 40.239	126° 3.751								

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news (loc) - wind 10-15 westerly.

~1445 Word to HR to check DGPS appears to working - R 452 - 497 Says it's recording

HR-W2 - tied up to outside of second pen from the north end.

HR-S2 - tied up to outside of second full pen (with cylligord) at the southern end.

- last 2 pens at South end are empty.

1745 (loc) - near Hoby Ad.

- wind 10-15 westerly

- overcast

9

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Month				Year			Ship			Cruise ID					
Sept				2006			Buckshot			2006-29-34					
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Position		Bottom Depth	Max Depth	Sample Numbers	#of Bottles	Watch Keepers	Trans. Cleaned	Comments
29	Doctor Weather Station	0916	local	recovered data logger											
				- downloaded data to Doctor 7		+ look ok									
		0925 (local)		replaced unit		* Zap strapped to tree									
		50° 38.9181		126° 17.2386											
29	Glacier Fall Weather station														
		1015 (local)		recovered data logger											
				- downloaded data to Glacier 7		+ data looks ok									
		50° 50.6135		126° 18.3822											
	1025			Replaced data logger											
	Wicklow Pt. weather station			at			50° 47.1470	126° 41.2655							
29	RP4	1801	BE	CTD		026	50° 44.734	126° 32.584	104		2006-29-26-hex				
		1806	EN				50° 44.769	126° 32.603							
29	RP3	1816	BE	CTD		027	50° 43.389	126° 34.737	77		2006-29-27-hex				Foggy but calm
		1820	EN				50° 43.362	126° 34.731							
29	RP2	1829	BE	CTD		028	50° 41.830	126° 36.681	43		2006-29-28-hex				
		1833	EN				41.831	36.687							

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[illegible]

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